

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An image projector comprising:
 - a light source having an elliptical reflector;
 - a color filter that transmits a predetermined beam of light of a predetermined wavelength from beams of light focused from the light source;
 - a reflective plate that reflects the predetermined beam of light transmitted through a color filter;
 - a rod lens that converges the predetermined beam of light from the reflective plate to make a distribution of the predetermined beam of light uniform;
 - a first illumination lens part that diverges the predetermined beam of light of a uniform distribution from the rod lens, and focuses the predetermined beam of light onto a plurality of focusing points;
 - a polarization beam sprite array that polarizes the predetermined beam of light from the first illumination lens in a predetermined direction;
 - a second illumination lens part that focuses the polarized beam of light from the polarization beam sprite array;

a polarization prism having a polarization split plane for transmitting or reflecting the focused beam of light;

a reflection type display for producing a picture beam according to a video signal by using a reflected beam of light; and

a projections lens for enlarging and projecting the picture beam.

2. (Canceled)

3. (Previously Presented) An image projector as claimed in claim 1, wherein the color filter is a cylindrical color wheel having a plurality of color filters integrated into a cylinder form.

4. (Canceled)

5. (Previously Presented) An image projector as claimed in claim 1, wherein the color filter is a disk type color wheel having a plurality of color filters integrated into a disk form.

6. (Previously Presented) An image projector as claimed in claim 1, wherein the rod lens is tapered from an optical input surface to an optical output surface.

7. (Canceled)

Reply to Office Action of December 18, 2003

8. (Previously Presented) An image projector as claimed in claim 1, wherein the polarization beam sprite array receives beams inclusive of a P wave and a S wave, and transmitting the S wave and converting the P wave into the S wave transmitting the converted S wave.

9. (Previously Presented) An image projector as claimed in claim 1, wherein the polarization beam sprite array receives beams inclusive of a P wave and an S wave, and transmitting the P wave and converting the S wave into a P wave and transmitting the converted P wave.

10. (Previously Presented) An image projector as claimed in claim 9, further comprising a half wavelength plate between the polarization beam sprite array and the polarization prism for converting the S wave into the P wave, or vice versa.

11. (Canceled)

12. (Previously Presented) An image projector as claimed in claim 1, further comprising a polarizing plate between the second illumination lens part and the polarization beam sprite prism for removing noise beams.

13. (Previously Presented) An image projector as claimed in claim 1, further comprising:

a $\frac{1}{4}$ wavelength plate between the polarization beam splitter prism and the display;

a polarizing plate between the polarization beam splitter prism and $\frac{1}{4}$ wavelength plate; and

a $\frac{1}{2}$ wavelength plate between the polarizing plate and the $\frac{1}{4}$ wavelength plate.

14. (Canceled)

15. (Previously Presented) An image projector comprising:

a light source having an elliptical reflector;

a color filter that transmits a particular beam of light from beams of light focused from the light source;

a reflective plate that reflects the particular beam of light of a wavelength transmitted through the color filter;

a rod lens that converges the beam of light from the reflective plate to make a distribution of beam uniform;

a first illumination lens part that diverges the beam of light of a uniform distribution from the rod lens, and focuses the beam of light onto a plurality of focusing points;

a polarization beam sprite array that polarizes the beam of light from the first illumination lens in particular direction;

a transmission-type display that produces a picture beam according to a video signal using a polarization split beam of light; and

a projection lens for enlarging, and projecting the picture beam.

16. (Canceled)

17. (Previously Presented) An image projector as claimed in claim 15, wherein the display includes polarizing plates fitted in front and rear of the display.

18. (Original) An image projector as claimed in claim 15, further comprising a mirror between the display and the projection lens for direction the picture beams supplied from the display to the projection lens.

19. (Previously Presented) An image projector as claimed in claim 15, wherein the color filter is a cylindrical color wheel having a plurality of color filters integrated into a cylinder form.

20. (Canceled)

Serial No. 10/026,541

Docket No. K-0378

Amdt. dated March 18, 2004

Reply to Office Action of December 18, 2003

21. (Previously Presented) An image projector as claimed in claim 15, wherein the color filter is a disk type color wheel having a plurality of color filters integrated into a disk form.

22-27. (Canceled)